

# MARS HYDRO

## Intelligent Fan Controller User Manual



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### AUTO MODE: HIGH TEMP /LOW TEMP /HIGH HUMID /LOW HUMID



#### HIGH TEMP

In this mode, press the up or down button to set a high temperature trigger. The fans will activate if the probe's measured temperature exceeds the temperature you have set in this mode. The activated fans will slowly increase in speed until it reaches the speed set in ON Mode. Whenever the measured temperature falls below your set temperature, the fans will slowly decrease in speed until the fans stop. You may also hold the up and down button simultaneously to turn off this trigger, in which the digits under settings will show OFF for off. Note that this trigger can activate to run as long as you are in AUTO Mode, even if you are in setting up the other AUTO Mode triggers.

**The setting method of LOW TEMP /HIGH HUMID / LOW HUMID mode is consistent with that HIGH TEMP.**

### ALARM SETTING: HIGH TEMP /LOW TEMP /HIGH HUMID /LOW HUMID



#### HIGH TEMP

In this settings mode, press the up and down button to set a high temperature alarm. The alarm will activate if the probe's measured temperature exceeds the temperature you have set in this mode. When the alarm triggers, the fan will start spinning gradually to max speed regardless of your other settings. You may also hold the up and down button simultaneously to turn off this alarm setting, in which the digits under settings will show OFF. You will need to be in AUTO, ON, or TIMER mode for this alarm to be able to activate.

**The setting method of LOW TEMP /HIGH HUMID / LOW HUMID mode is consistent with that HIGH TEMP.**

#### PAY ATTENTION

When you use the controller for first time, please tear off the white tape attached on the metal probe.

#### CONTROLLER LOCK

To lock the controller to prevent settings to be changed accidentally, hold the LEAF button for three or more seconds. While the display is locked, you will not be able to switch modes or changes any settings. You will only be able to put the controller in ECO display by pressing the LEAF button. Holding the LEAF button for three or more seconds will unlock the controller.

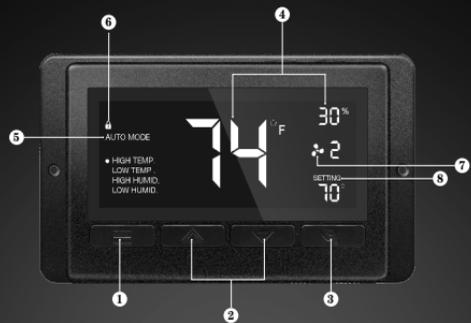
#### TEMPERATURE ALARM ALERT

This icon will flash when the high or low temperature alarm that you have set has been triggered.

#### HUMIDITY ALARM ALERT

This icon will flash when the high or low humidity alarm that you have set has been triggered.

# PROGRAMMING



## 1. MODE BUTTON

This button cycles through each of the controllers modes: ON, OFF, TIMER, AUTO (4 triggers), and ALARM (4 settings).

## 2. UP/DOWN BUTTON

The up and down buttons adjust the settings of the mode that you are in. Up button increases and down button decreases.

## 3. LEAF BUTTON

This turns the display off while programs run in the background. Hold for two seconds to lock or unlock the display.

## 4. PROBE TEMP/HUMIDITY

Displays the current temperature/humidity that the corded sensor probe is measuring. Shows "-" if no probe is plugged in.

## 5. CONTROLLER MODE

This area displays the mode that the controller is currently in. Press the Mode Button to cycle through the modes.

## 6. ALERT ICONS

This area displays the alerts and statuses from the controller including alarms and screen lock.

## 7. FAN SPEED

Displays the current speed the fan is running at, or what speed it should be running at if no fans are plugged in.

## 8. SETTING

Displays the value you have set for the current mode. Press the up or down button to change.

## 9. FAHRENHEIT AND CELSIUS CONVERSION

Please set the controller to OFF Mode, then hold the UP BUTTON and DOWN BUTTON simultaneously for 3 seconds to switch displayed units between Fahrenheit (°F) and Celsius (°C).

## 10. TEMPERATURE & HUMIDITY CALIBRATION

To adjust the temperature and humidity that the probe sensor is measuring, follow the steps below.

- 1) Set the controller to OFF Mode.
- 2) Hold the LEAF Button (3) and MODE BUTTON (1) simultaneously for 5 seconds to start temperature calibration. Perform this operation again to start humidity calibration.
- 3) When corresponding data flashes on the screen, press UP/DOWN BUTTON to calibrate the temperature/humidity.
- 4) To save the settings, hold the LEAF Button (3) and MODE BUTTON (1) simultaneously for 5 seconds once more.

## 11. DISPLAY BRIGHTNESS

To adjust the brightness of the display, please set the controller to OFF Mode, then press the up or down button to increase or decrease the brightness level. Four brightness settings are available.

# MODE SETTING

Press the Mode button to cycle through the controller's available programming modes and settings: ON/ OFF Mode, TIMER Mode, AUTO Mode (4 triggers), ALARM Settings (4 triggers).

## TIMER MODE



TIMER Mode, press the up or down button to set a time for the timer. The fans will run at the speed set in ON Mode until the timer's clock runs out, in which the fans will stop running. The clock will begin counting down if no buttons are pressed for 3 seconds. Leaving the timer mode while the countdown is running will pause the clock until you return to this mode.

# ON/OFF MODE



ON Mode, the fans will run continuously regardless of temperature or humidity, the speed set in this mode will be the max speed the fans can reach in AUTO Mode.

OFF Mode, the fans will not run regardless of temperature or humidity. While in this mode, pressing the up or down button will change the display's brightness.

There are four settings for brightness, (Setting: 1/2/3/A3), On setting A3, if the device is left unattended for 30 seconds, the display will automatically dim its brightness back to setting 1.

Holding up and down button at the same time, will change the Fahrenheit (°F) to Celsius (°C).